

Melissa Ann Gough

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CAREER SUMMARY

A manufacturing engineer with 13 years of experience ranging from process and industrial engineering to certification implementation. Demonstrated ability in procedure development, program implementation efficiency improvements and project management. Highly responsible and dedicated team player with extensive PC knowledge and organizational skills.

PROFESSIONAL EXPERIENCE

GM Powertrain Willow Run, Ypsilanti, Michigan 1997-2009
Manufacturer of World Class 4 speed and 6 speed Transmissions and Components

Industrial Engineer 2005-2009

Supported multiple product lines in ergonomic and efficiency improvements, as well as, workplace organization. Updated and maintained plant floor layouts in Autocad.

- Collaborated to resolve ergonomic issues in less than 60 days.
- Improved operator efficiency, by relocating machines to allow operator to run 3 machines instead of 2.
- Improved production efficiency by 25% with the Overall Equipment Efficiency process.
- Resolved Information Technology issues for 127 users, such as ID requests, shared folder access, software requests, and computer refreshes, resulting in improved job efficiency.

Process Engineer 1999-2005

Supported product line process improvements.

- Monitored machine capability to ensure product quality.
- Completed new part launch on schedule, by managing the retooling of existing grinders and ensuring capability of new process.
- Implemented 5% cost savings of grind process outside the plant by locating and changing process supplier.
- Resolved payment issues and monitor temporary sourcing contracts.
- Resolved quality issues on infeed grinders, identifying machinery capability problems using Minitab and implementing corrective actions.

Special Assignment ISO14000 Implementation Team 1998

Collaborated with team of engineers to identify and create necessary documentation for the initial environmental certification ISO14000 and prepared departments by auditing.

- Collaborated with team of engineers to identify all environmental elements at the facility, from electricity to lead grinding swarf, and rate the hazard of each element.
- Standardized and document procedures for high hazard risk elements and legal requirements.
- Prepared manufacturing departments for the initial external certification audit by creating Internal Audit Forms and perform audits to provide feedback and required corrective actions.

Process Engineer

1997-1998

- Created Standardized work and Process documentation required for compliance for QS9000 Certification.
- Completed Installation of new back up welder to reduce production loss due to downtime on normal production equipment.

GalaxyMachine & Retrofit, Plymouth, MI

1996

Supplier of Machine Rebuild and Engineering Services

Autocad Operator (Part time)

Converted machine control drawings from hand drawn to electronic versions.

GM Powertrain Willow Run, Ypsilanti, Michigan

1995-1996

Manufacturer of World Class 4 speed and 6 speed Transmissions and Components

Controls Engineering Summer Intern

Converted machine control drawings from hand drawn to electronic versions.

Plant Engineering Summer Intern

Designed electrical schematic for new office space. Audited Plant Layout schematics for Electrical Bus Ducts plantwide.

EDUCATION

Bachelor of Science, Electrical Engineering

1996

Lawrence Technological University, Southfield, Michigan